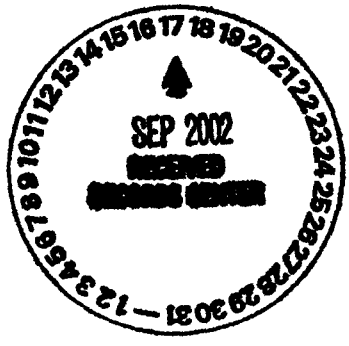
TELEPHONE CONTACT REPORT

CALL TO: Joseph Shinn, Lawrence Livermore National Laboratory
CALL FROM: Susan Templeman, Radian
DATE: 4/27/99

Abbreviated notes from a follow-up call to a call made to Joe Shinn on 4/7/99

Value of "p" depends more on motion of the soil particles Particle size greater than 20 micrometers is a significant fraction, which doesn't go far Particle size less than 15 micrometers is the more mobile fraction The value is usually about 0 7 Not sure why Usually we say that the soil concentration varies exponentially with depth It really drops off fast (the activity) The upper 2 5 cm of soil is thought to be well stirred The micro-topography of soil varies I prefer to use the average of the top 2 5 cm for the surface soil concentration

It never makes sense to look at soil classes (i e , silt, clay, sand) because the plutonium isn't fixed to primary particles, it is fixed to aggregates



ADMIN RECORD

SW-A-004599